

**IN THE CLAIMS:**

Please amend Claims 1, 3-7, 11, 13-17, 19-23, 25, 27-29, 33, 35-36, 38-40, and 42-45 as follows:

B<sup>1</sup> 1 (Amended) The process for the preparation of a sprayable polymeric material having a fibrous material, comprising:

- A1
- a) providing a fibrous material;
  - b) providing reaction components comprising a predetermined amount of polyol and a predetermined amount of isocyanate;
  - c) heating the reaction components;
  - d) adding the fibrous material to the polyol component, the isocyanate component, or both; and
  - e) reacting the reaction components, whereby to create the polymeric material having no volatile organic compounds.

B<sup>1</sup> 3. (Amended) The process of claim 1 wherein the fibrous material is dry.

A2 4. (Amended) The process of claim 1, further comprising, prior to adding the fibrous material, pre-wetting the fibrous material to (i) about 10% by volume of the predetermined amount of polyol component, (ii) about 10% by volume of the predetermined amount of isocyanate component, or (iii) about 10% of the predetermined amount of both components combined.

A2  
5. (Amended) The process of claim 1 wherein the fibrous material is an aramid, polyethylene, fullerene, nanotube, ceramic fiber, or mixtures thereof.

6. (Amended) The process of claim 5, wherein the aramid fiber is aramid fiber pulp.

7. (Amended) The process of claim 1, wherein the fibrous material is from about 0.5 weight % to 1.0 weight percent of the total weight of the composition.

A3  
8. (Amended) The process of claim 10, further comprising molding the closed cell polyurethane, wherein the molding is either in normal atmospheric conditions or under 2-3 atm of pressure.

B1  
9. (Amended) A process for the preparation of a composite of a sprayable polymer resin having a reinforcing fiber, comprising adding the reinforcing fiber to a first polymeric reactant material solution and to a second polymeric reactant material solution, reacting the first and second solutions, whereby the reinforcing material is incorporated homogeneously without causing separation during the curing reaction between the first and second polymeric reactant material solutions.

A4  
10. (Amended) The process for the preparation of a sprayable polymeric material having a fibrous material, comprising:

- a) providing a [predetermined amount of] fibrous material;
- b) providing a first and second reaction component, wherein the first and second reaction components contains no volatile organic compounds and react to form a polyurethane, polyester, epoxy, or polyurea;

- c) heating the reaction components;
- d) adding the fibrous material to: the first reaction component, wherein the first reaction component is polyol; the second reaction component, wherein the second reaction component is isocyanate; or both the first and second reaction component; and
- e) reacting the first and second reaction components, whereby to create the polymeric material.

A4 15. (Amended) A spray nozzle for mixing and spraying a first polymeric reactant material with a second polymeric reactant material, at least one of the reactant polymeric materials containing a fibrous material, forming a two part polymer comprising: a check valve without springs, a hose for conveying said first and second polymeric materials to a ball valve, said nozzle spraying a mixture of the first and second materials from said check valve onto a surface.

16. (Amended) The spray nozzle of claim 15 wherein the fibrous material is an aramid, polyethylene, fullerene, nanotube, ceramic fiber, or mixtures thereof.

17. (Amended) The spray nozzle of claim 16, wherein the aramid fiber is aramid fiber pulp.

B1 19. (Amended) The reinforced structure of claim 18, wherein the fibrous material is an aramid, polyethylene, fullerene, nanotube, ceramic fiber, or mixtures thereof.

A5 20. (Amended) The reinforced structure of claim 19 wherein the aramid fiber is aramid fiber pulp.

21. (Amended) The reinforced structure of claim 18 wherein the thickness of the first and second layers of polyurethane resin are about 100 mils.

22. (Amended) The reinforced structure of claim 18 further comprising a panel between said first or second layer of polyurethane resin.

23. (Amended) A method of coating a reinforcement structure having a top and a bottom side with a polyurethane composition comprising:

- a) providing a fibrous material;
- b) providing reaction components comprising a polyol and an isocyanate;
- c) heating the reaction components;
- d) mixing the fibrous material with the polyol, the isocyanate, or both;
- e) reacting the reaction components, whereby to create a polymeric resin;
- f) spraying the top of the reinforcement structure with a polymeric foam containing a second fibrous material; and
- g) spraying the polymeric foam, on top of the reinforcement structure, with the polymeric resin, prior to cure of the polymeric resin.

25. (Amended) The method of claim 24, further comprising spraying the polymeric foam, on the bottom side of the reinforcement structure, with the polymeric resin.

27. (Amended) The method of claim 23, wherein the first and second fibrous materials are aramid, polyethylene, carbon, or ceramic fiber, or mixtures thereof.

A7<sup>B1</sup> 28. (Amended) The method of claim 27, wherein the aramid fiber is aramid fiber.

29. (Amended) The method of claim 23, wherein the fibrous material is from about 0.5% to about 1.0% by weight of the polyurethane composition.

A8<sup>B1</sup> 33. (Amended) The method of claim 23 wherein the reinforcement structure is sprayed with a thickness of about 100 mils of the polymeric resin.

A9<sup>B1</sup> 35. (Amended) The composition of claim 34 wherein the fibrous material is an aramid, polyethylene, carbon, or ceramic fiber, or mixtures thereof.

36. (Amended) The composition of claim 35 wherein the aramid fiber is aramid fiber pulp.

B1 38. (Amended) The flexible liner of claim 37, wherein the thickness of the polyurethane is sprayed at about 100 mils.

A10 39. (Amended) The flexible liner of claim 37, wherein the fibrous material is an aramid, polyethylene, carbon, or ceramic fiber, or mixtures thereof.

40. (Amended) The flexible liner of claim 37, wherein the aramid fiber is aramid fiber pulp.

B1 42. (Amended) The process of claim 41, wherein the spraying of the polyurethane is a thickness of about 100 mils.

A11 43. (Amended) The process of claim 41, wherein the fibrous material is an aramid, polyethylene, carbon, or ceramic fiber, or mixtures thereof.